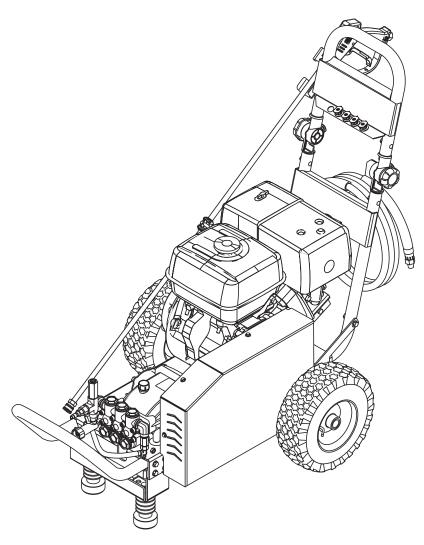
# SERVICE MANUAL



| MODEL #         | ORDER#      |
|-----------------|-------------|
| HD 2.5/27 PB AL | 1.107-132.0 |
| HD 3.7/35 PB AL | 1.107-133.0 |
| PGA3-27324      | 1.107-127.0 |
| PGA4-35324      | 1.107-128.0 |
| BXA-252739      | 1.107-120.0 |
| BXA-373539      | 1.107-121.0 |
| BGA-252737      | 1.106-057.0 |
| BGA-373537      | 1.106-058.0 |

# **TROUBLESHOOTING**

| PROBLEM                        | POSSIBLE CAUSE                                    | SOLUTION  |
|--------------------------------|---|---|
| LOW OPERATING PRESSURE         | Faulty pressure gauge                             | Install new gauge.  |
| FRESSORE                       | Insufficient water supply                         | Use larger supply hose; clean filter at water inlet.  |
|                                | Old, worn or incorrect spray nozzle               | Match nozzle number to machine and/or replace with new nozzle.  |
|                                | Belt slippage                                     | Tighten or replace; use correct belt.   |
|                                | Plumbing or hose leak                             | Check plumbing system for leaks. Re-tape leaks with teflon tape.  |
|                                | Faulty or mis-adjusted unloader valve             | Adjust unloader for proper pressure. Install repair kit when needed.  |
|                                | Worn packing in pump                              | Install new packing kit.  |
|                                | Fouled or dirty inlet or discharge valves in pump | Clean inlet and discharge valves.   |
|                                | Worn inlet or discharge valves                    | Replace with valve kit.   |
|                                | Obstruction in spray nozzle                       | Remove obstruction.   |
|                                | Leaking pressure control valve                    | Rebuild or replace as needed.   |
|                                | Slow engine RPM                                   | Set engine speed at proper specifications.  |
|                                | Pump sucking air                                  | Check water supply and possibility of air seepage.  |
|                                | Valves sticking                                   | Check and clean or replace if necessary.  |
|                                | Unloader valve seat faulty                        | Check and replace if necessary.   |
| FLUCTUATING                    | Worn or dirty pump valves                         | Call local distributor.   |
| PRESSURE                       | Nozzle is obstructed                              | Blow out or remove debris with fine needle.   |
|                                | Pump sucking air, inlet hose leaking              | Check that all hoses and fittings are airtight. Turn off machine and trigger spray gun until a steady flow of water emerges through the nozzle. |
|                                | Insufficient water supply                         | Turn water on full force. Check garden hose for kinks, leaks or blockage.   |
| PRESSURE LOW                   | Nozzle worn                                       | Replace nozzle.   |
| AFTER PERIOD OF NORMAL USE     | Unloader valve worn                               | Replace unloader valve.   |
| ENGINE WILL NOT                | Low oil shutdown                                  | Fill engine with oil.   |
| START OR STOPS WHILE OPERATING | Out of gas  | Fill fuel tank.   |
|                                | Water in gasoline                                 | Drain gas tank; fill with clean fuel.   |
| ENGINE IS                      | Nozzle partially blocked                          | Clean nozzle.   |
| OVERLOADED                     | Excessive pressure from high engine RPM           | Adjust engine throttle to lower RPM.  |

# **CONTENTS**

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| D3030R.1 Pump Assembly Exploded and View     | 11    |
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# **TROUBLESHOOTING**

|  | I   |  |  |
|--|---|--|--|
| PROBLEM  | POSSIBLE CAUSE  | SOLUTION   |  |
| WATER OR OIL<br>LEAKING FROM<br>BOTTOM OF PUMP | A small amount of leaking is normal                       | If excessive leaking occurs, call local distributor.             |  |
| PRESENCE OF WATER IN PUMP                      | Water sprayed at machine                                  | Change oil. Direct spray away from machine.                      |  |
| OIL  | High humidity in air                                      | Check and change oil twice as often.                             |  |
|  | Piston packing worn. Oil seal worn.                       | Call local distributor.  |  |
| ENGINE OPERATES                                | Not enough gas or engine oil                              | Fill tank with gas. Check oil level.                             |  |
| FOR 15 MINUTES THEN STOPS                      | Vapor lock developed by heat of day                       | Keep gas tank full to avoid vapor locking.                       |  |
|  | Obstruction in fuel filter                                | Clean or replace fuel filter.                                    |  |
| ENGINE LACKS<br>POWER                          | Dirty air filter  | Replace air filter.  |  |
| ENGINE FALTERS                                 | Choke is opened too soon                                  | Move choke to halfway position until engine runs smoothly.       |  |
| WATER DRIPPING                                 | Piston packing worn                                       | Call local distributor.  |  |
| FROM UNDER                                     | O-Ring plunger retainer worn                              | Call local distributor.  |  |
|  | Cracked piston  | Call local distributor.  |  |
| OIL DRIPPING<br>FROM UNDER<br>PUMP             | Oil seal worn or damaged                                  | Call local distributor.  |  |
| WATER LEAKING<br>FROM PUMP                     | Spray gun closed with machine running 5 minutes or longer | Open spray gun or turn off machine.                              |  |
| PROTECTOR                                      | Excess water supply pressure                              | Place a pressure regulator at end of 50' garden hose.            |  |
| NO DETERGENT                                   | Detergent suction tube not properly connected to machine  | Check connection.  |  |
|  | Detergent is too thick                                    | Dilute detergent. For best results, use manufacturers detergent. |  |
|  | Detergent filter valve is at lowest setting               | Set detergent filter valve to a higher setting.                  |  |
|  | Filter on detergent suction tube is clogged               | Run warm water through filter to remove debris.                  |  |
|  | Damaged or clogged detergent suction tube                 | Remove obstruction or replace detergent suction tube.            |  |
|  | A high pressure nozzle is attached.                       | Replace with black detergent nozzle.                             |  |
|  | Discharge nozzle is obstructed                            | Blow out or remove debris with fine needle.                      |  |
| GARDEN HOSE                                    | Loose fittings  | Tighten fittings.  |  |
| CONNECTION<br>LEAKS                            | Missing/worn rubber washer                                | Insert new washer.   |  |

#### **TROUBLESHOOTING**

| PROBLEM             | POSSIBLE CAUSE                   | SOLUTION   |
|---------------------|----------------------------------|--|
| SPRAY WAND<br>LEAKS | Spray wand not properly attached | Slide the spray wand into the gun. Turn the wand collar clockwise onto the spray gun threads until tight.  |
|                     | Broken o-ring                    | Call local distributor and order an o-ring.  |
| PUMP IS NOISY       | Pump is sucking air              | Check that hoses and fittings are air tight. Turn off machine and purge pump by squeezing trigger gun until a steady flow of water emerges through nozzle. |

#### PREVENTATIVE MAINTENANCE

This pressure washer was produced with the best available materials and quality craftsmanship. However, you as the owner have certain responsibilities for the correct care of the equipment. Attention to regular preventative maintenance procedures will assist in preserving the performance of your equipment. Contact your dealer for maintenance. Regular preventative maintenance will add many hours to the life of your pressure washer. Perform maintenance more often under severe conditions. Check pump oil and engine oil level before first use of your new pressure washer.

|                           | MAINTENANCE SCHEDULE |  |  |  |
|---------------------------|----------------------|--|--|--|
|                           | Inspect              | Daily  |  |  |
| Engine Oil                | Change               | First month or 20 hours. Every 100 hours or every 6 months after first month |  |  |
|                           | Filter               | Every 50 hours   |  |  |
| Air Cleaner/Filter        | Inspect              | Daily  |  |  |
| Air Cleaner/Filler        | Clean                | Every 3 months or 50 hours   |  |  |
| Engine Fuel Filter        |                      | 500 hours or 6 months  |  |  |
| Spark Plug                | Inspect              | Every 6 months or 100 hours  |  |  |
| Maintenance               | Change               | Every year or 300 hours  |  |  |
| Clean Fuel Tank(s)        |                      | Annually   |  |  |
| Bump Oil                  | Inspect              | Oil level daily  |  |  |
| Pump Oil                  | Change               | After first 50 hours, then every 500 hours or annually (or 3 months)         |  |  |
| Replace High Pressure     | Nozzle               | Every 6 months   |  |  |
| Replace Quick Connects    |                      | Annually   |  |  |
| Clean Water Screen/Filter |                      | Weekly   |  |  |
| Replace HP Hose           |                      | Annually (if there are any signs of wear)                                    |  |  |
| Belts*                    | Tighten              | Every 6 months   |  |  |
| Dello                     | Inspect/Replace      | Every 6 months   |  |  |

<sup>\*</sup>Note: When servicing belts, don't exceed 14 lb-ft on pump mounting screws. Failure to do so will cause pump thread damage.

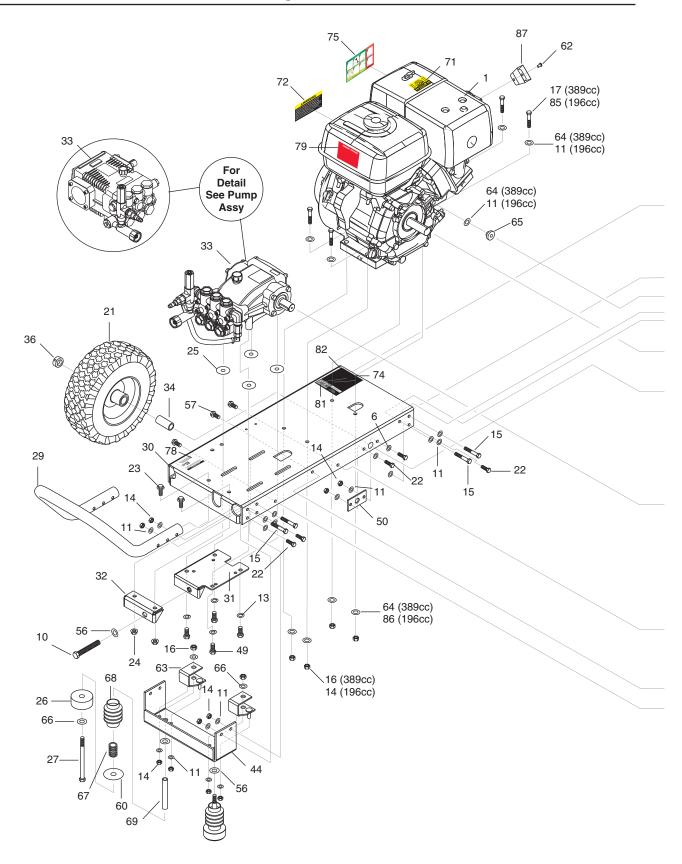
## **OIL CHANGE RECORD**

Check pump oil and engine oil level before first use of your new pressure washer.

| Date Oil Changed<br>Month/Day/Year | Estimated Operating<br>Hours Since Last<br>Oil Change |
|------------------------------------|---|
|                                    |   |
|                                    |   |
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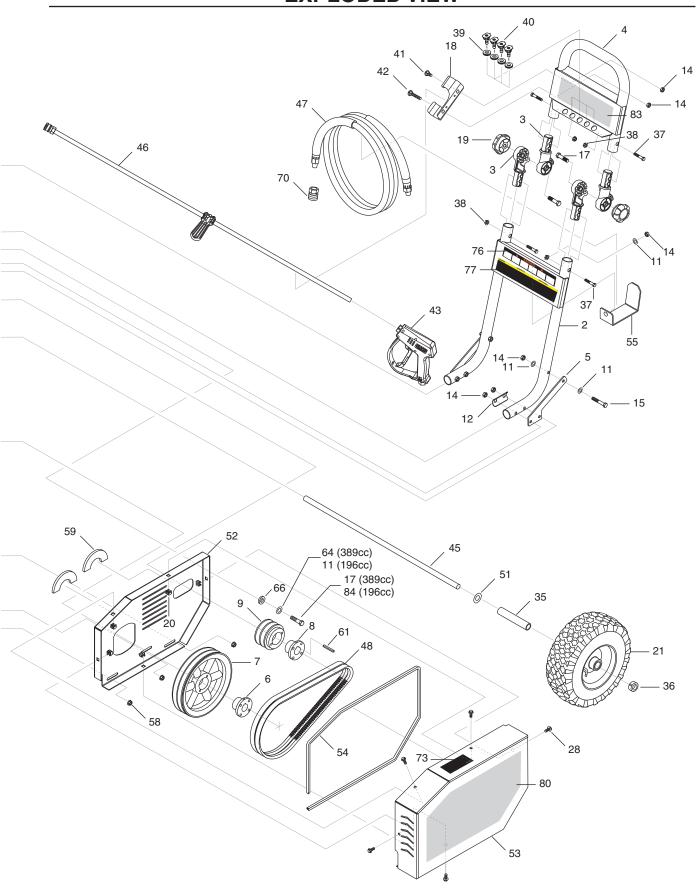
| Date Oil Changed<br>Month/Day/Year | Estimated Operating<br>Hours Since Last<br>Oil Change |
|------------------------------------|---|
|                                    |   |
|                                    |   |
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|                                    |   |
|                                    |   |
|                                    |   |

## **EXPLODED VIEW**



5

## **EXPLODED VIEW**



# **EXPLODED VIEW PARTS LIST (CONT)**

|    | PART NO.                   |   | YTC      |
|----|----------------------------|---|----------|
| 1  | 8.750-580.0                | Engine, Honda,<br>GX390UT2QA2 (389 cc)                | 1        |
|    | 9.802-317.0                | Engine, Honda,<br>GX200UTQX2 (196 cc)                 | 1        |
| 2  | 8.917-978.0                | Handle Support Assy<br>Al Direct Drive                | 1        |
| 3  | 9.135-007.0                | Rotary Tube-Joint                                     | 4        |
| 4  | 8.917-976.0                | Handle Assy Al Direct Drive                           | 1        |
| 5  | 8.750-303.0                | Handle Stiffener Al                                   | 2        |
| 6  | 9.802-402.0                | Bushing, H X 24MM                                     | 1        |
| 7  | 8.715-593.0                | Pulley, 2BK 90 H (389 cc)                             | 1        |
| -  | 9.802-380.0                | Pulley, BK 80 H (196 cc)                              | 1        |
| 8  | 9.802-399.0<br>9.803-897.0 | Bushing, H X 1 (389 cc)<br>Bushing, H X 3/4 (196 cc)  | 1        |
| 9  | 8.715-576.0<br>9.802-379.0 | Pulley, 2BK 32 H (389 cc)<br>Pulley, BK 36 H (196 cc) | 1<br>1   |
| 10 | 9.802-740.0                | Bolt, 1/2 X 3-1/2",<br>NC HH(615595)                  | 1        |
| 11 | 8.718-980.0                | Washer, 5/16" (389 cc)<br>(196 cc)                    | 41<br>47 |
| 12 | 9.803-114.0                | Retainer Bracket,<br>Handle, Black                    | 2        |
| 13 | 9.802-816.0                | Washer, 7/16",<br>Lock Split Ring (389 cc)            | 4        |
|    | 9.802-813.0                | Washer, 5/16",<br>Lock Split Ring (196 cc)            | 4        |
| 14 | 9.802-776.0                | Nylon Insert Nut 5/16" (389 cc)                       |          |
|    |                            | (196 cc)  |          |
| 15 | 9.802-716.0                | Bolt, 5/16" X 2"                                      | 10       |
| 16 | 9.197-003.0                | 3/8-16 Nylon Insert (389 cc) (196 cc)                 | 6<br>2   |
| 17 | 9.196-041.0                | Hex Head Bolt   |          |
|    |                            | 3/8-16 X 1-3/4 (389 cc)                               | 7<br>2   |
| 18 | 8.918-437.0                | (196 cc) Holder Wand Left Silver                      | 1        |
| 19 | 9.136-502.0                | Knob  | 2        |
| 20 | 9.802-793.0                | Nut, Cage, 1/4" X 16 GA                               | 5        |
| 21 | 8.711-907.0                | Wheel & Tire, 6.5" Steel Rim,<br>12.5 Tire (389 cc)   | 2        |
|    | 9.802-270.0                | Wheel & Tire Assy,<br>10" Steel Rim (196 cc)          | 2        |
| 22 | 9.802-710.0                | Screw 5/16" x 1" NC                                   | 10       |
| 23 | 9.802-767.0                | Screw, 3/8" X 3/4"                                    | 2        |
| 24 | 9.802-781.0                | Nut, 3/8" NC, Whiz Loc Flange                         | 2        |
| 25 | 9.802-811.0                | Washer, 3/8" X 1-1/2" (389 cc)                        | 4        |
| 26 | 9.802-066.0                | Pad Soft Rubber                                       | 2        |
| 27 | 8.718-684.0                | Bolt, 3/8" X 5"                                       | 2        |
| 28 | 9.802-754.0                | Screw, 1/4" x 1/2" NC                                 | 5        |
| 29 | 8.919-712.0                | Aluminium Bumper                                      | 1        |
|    |                            |   |          |

| ГЕМ            | PART NO.                   | DESCRIPTION  | QTY      |
|----------------|----------------------------|--|----------|
| 30             | 8.919-349.0<br>8.919-401.0 | Al Base Long (389 cc)<br>Al Base Short (196 cc)  | 1        |
| 31             | 8.919-352.0                | Under-Frame Slider   | 1        |
| 32             | 8.919-354.0                | Slider Stiffener Long  | 1        |
| 33             |                            | Pump Assy 2700 PSI<br>(See M4035R Specs Pages)<br>Pump Assy 3500 PSI<br>(See D3030R Specs Pages) | 1        |
| 34             | 8.919-356.0                | Axle Spacer RH 2.0" (389 cc)   | 1        |
| J <del>4</del> | 8.918-079.0                | Axle Spacer Silver (196 cc)  | 1        |
| 35             | 8.919-358.0                | Axle Spacer Left 5.00"   | 1        |
| 36             | 9.802-782.0                | Collar, 5/8" Bore Shaft  | 2        |
| 37             | 9.196-307.0                | 1/4-20 x 1-1/2 GR 2 Hex<br>Bolt Zinc   | 4        |
| 38             | 9.197-010.0                | 1/4-20 Nylon Insert Lock Nut   | 4        |
| 39             | 9.177-204.0                | Sleeve rubber  | 4        |
| 40             | 8.712-345.0                | Quick Connect Nozzle Kit (389 cc)  Nozzle,   | 1        |
|                | 8.712-346.0                | SAQCMEG 0004, RED  ▲ Nozzle, SAQCMEG 1504, YELLOW  |          |
|                | 8.712-347.0                | ▲ Nozzle,<br>SAQCMEG 2504, GREEN   |          |
|                | 8.712-348.0                | ▲ Nozzle,<br>SAQCMEG 4004, WHITE<br>Quick Connect<br>Nozzle Kit (196 cc)                         | 1        |
|                | 8.712-331.0                | ▲ Nozzle, SAQCMEG 0003, Red  | •        |
|                | 8.712-333.0                | ▲ Nozzle, SAQCMEG 1503, Yellow   |          |
|                | 8.712-334.0                | ▲ Nozzle,<br>SAQCMEG 2503, Green   |          |
|                | 8.712-335.0                | ▲ Nozzle,<br>SAQCMEG 4003, White   |          |
| 41             | 8.718-625.0                | Bolt, 5/16"-18X3/4", NC Crrge  | 1        |
| 42             | 9.802-712.0                | Bolt, 5/16"-18 X 1-3/4",<br>NC Carriage  | 1        |
| 43             | 8.750-247.0                | Trigger Gun Model M407   | 1        |
| 44             | 8.919-348.0<br>8.919-421.0 | Al Foot Belt Drive (389 cc)<br>Al Foot Belt Drive Short(196 c                                    | 1<br>c)1 |
| 45             | 8.908-395.0                | Axle, 5/8" x 26.80" (389 cc)   | 1        |
| .0             | 8.919-422.0                | Axle Short Base Al 24" (196 co   | -        |
| 46             | 8.783-040.0                | Wand 44" Zinc Plated,<br>Handle & Coupler (389 cc)   | 1        |
|                | 8.783-039.0                | Wand 30" Zinc Plated,<br>Handle & Coupler (196 cc)   | 1        |

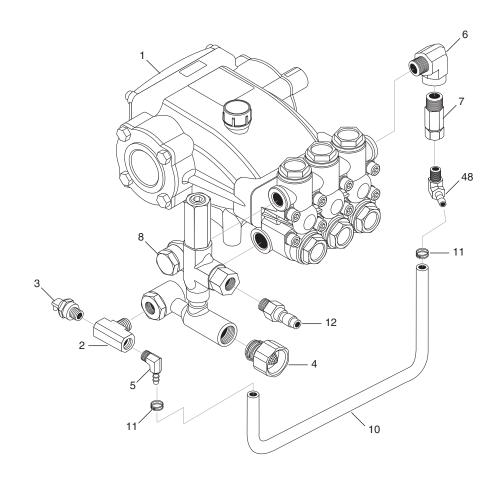
# **EXPLODED VIEW PARTS LIST (CONT)**

| ITEM | PART NO.                   | DESCRIPTION  | QTY_    |
|------|----------------------------|--|---------|
| 47   | 8.916-740.0                | Hose, 3/8" x 50',<br>1 Wire Tuff-Skin (BGA Models) | 1       |
|      | 8.739-011.0                | Hose, 3/8" x 50',<br>1 Wire Tuff-Skin (BXA Models) | 1       |
|      | 8.739-021.0                | Hose, 3/8" x 50',<br>1 Wire Tuff-Skin (HD Models)  | 1       |
|      | 8.739-026.0                | Hose, 3/8" x 50',                                  |         |
|      | 0.000.447.0                | 1 Wire Tuff-Skin (PGA Models)                      |         |
| 48   | 9.802-417.0<br>8.715-695.0 | Belt, BX38 (389 cc)<br>Belt, BX34 (196 cc)         | 2<br>1  |
| 49   | 8.751-212.0                | Bolt M10 X 25MM (389 cc)                           | 4       |
|      | 9.802-742.0                | Bolt, 8mm x 20mm (196 cc)                          | 4       |
| 50   | 8.919-423.0                | Axle Holder Al Frame                               | 2       |
| 51   | 9.802-810.0                | Washer Flat 5/8"                                   | 2       |
| 52   | 8.919-350.0                | Al Back Beltguard                                  |         |
|      | 0.010.100.0                | Long (389 cc)                                      | 1       |
|      | 8.919-402.0                | Al Back Beltguard<br>Short(196 cc)                 | 1       |
| 53   | 8.919-351.0                | Front Beltguard Long (389 cc)                      | 1       |
| 30   | 8.919-403.0                | Front Beltguard Short (196 cc)                     |         |
| 54   | 9.802-071.0                | Al Trim, 750 B2 X 1/16                             | 1.5 ft. |
| 55   | 8.919-796.0                | Hose Hanger Al Frames                              | 1       |
| 56   | 9.802-809.0                | Washer, 1/2" Flat                                  | 3       |
| 57   | 9.803-551.0                | Screw, 5/16" x 3/4"                                | 3       |
| 58   | 9.802-778.0                | Nut, Whiz Loc 5/16 Flange                          | 3       |
| 59   | 8.932-993.0                | Cushion, Pump                                      | 2       |
| 60   | 9.802-819.0                | Washer, 7/16" x 2 1/2"                             | 2       |
| 61   | 9.802-958.0                | Key, 0.185<br>SQR X 1.75" (196 cc)                 | 1       |
|      | 9.802-959.0                | Key, 0.247<br>SQR X 2.125" (389 cc)                | 1       |
| 62   | 8.718-779.0                | Scew, 4mm X 6 mm (196 cc)                          | 2       |
| 63   | 8.919-592.0                | Suspension Bracket                                 | 2       |
| 64   | 9.802-817.0                | Washer, 3/8" x 1" (389 cc)                         | 13      |
| 65   | 9.802-053.0                | Bushing, Fuel Line, Rubber                         | 1       |
| 66   | 8.736-004.0                | Rubber Washer                                      | 1       |
| 67   | 8.719-091.0                | Spring, Foot, Compression                          | 2       |
| 68   | 8.706-557.0                | Bellows, Leg (BOOT)                                | 2       |
| 69   | 8.719-954.0                | Tube, PC Foot Bolt                                 | 2       |
| 70   | 9.802-166.0                | Coupler, 3/8" Socket,<br>Female, Brass             | 1       |
| 71   | 9.800-006.0                | Label, Hot/Caliente W/Arrows                       | 1       |
| 72   | 8.917-015.0                | Label, Regulation 4442.6                           | 1       |
| 73   | 8.901-137.0                | Label, Beltguard Warning                           | 1       |
| 74   | 8.930-124.0                | Label, Intended For<br>Outdoor Use-Mexico          | 1       |
| 75   | 8.783-034.0                | Label, Quick Start Guide                           | 1       |

| ITEM | PART NO.                   | DESCRIPTION   | QTY  |
|------|----------------------------|---|------|
| 76   | 8.783-036.0                | Label, Warning Pictogram                            | 1    |
| 77   | 8.750-809.0                | Label Operation<br>Warn Trilingual Small            | 1    |
| 78   | 8.783-038.0                | Label, Universal DB Rating,<br>Ear Protection       | 1    |
| 79   | 9.800-008.0                | Label, Danger Cool Engine                           | 1    |
| 80   | 8.751-861.0<br>8.751-862.0 | Label, Long<br>(HD Models) (389 cc)<br>Label, Short | 1    |
|      |                            | (HD Models) (196 cc)                                | 1    |
|      | 8.750-465.0                | Label, Guard (PGA Models)                           | 1    |
|      | 8.704-654.0                | Label, Logo Red (BXA Models                         | 3) 1 |
|      | 8.900-870.0                | Label, Logo Die-Cut<br>(BGA Models)                 | 1    |
| 81   | 8.901-219.0                | Label, ETL, Mty, UL 1776                            | 1    |
| 82   | 9.800-034.0                | Label, Clear Lexan 4.3" X 5.5"                      | 1    |
| 83   | 8.750-284.0<br>8.750-285.0 | Label Name Plate (HD Models<br>Label NamePlate      | s) 1 |
|      |                            | (PGA Models)  | 1    |
|      | 8.750-286.0                | Label Name Plate                                    | 1    |
|      | 8.750-714.0                | (BXA Models) Label Name Plate                       | 1    |
|      | 0.700 7 1 1.0              | (BGA Models)  | 1    |
| 84   | 9.196-021.0                | Socket Head Screw,<br>5/16"-24 x1.25" (196 cc)      | 1    |
| 85   | 9.802-713.0                | Bolt, 5/16" X 1-1/2" (196 cc)                       | 1    |
| 86   | 9.198-014.0                | Washer 21/64 X 1" (196 cc)                          | 1    |
| 87   | 8.919-425.0                | Al Muffler Deflector (196 cc)                       | 1    |
|      | <u> </u>                   | A NI - OI   |      |

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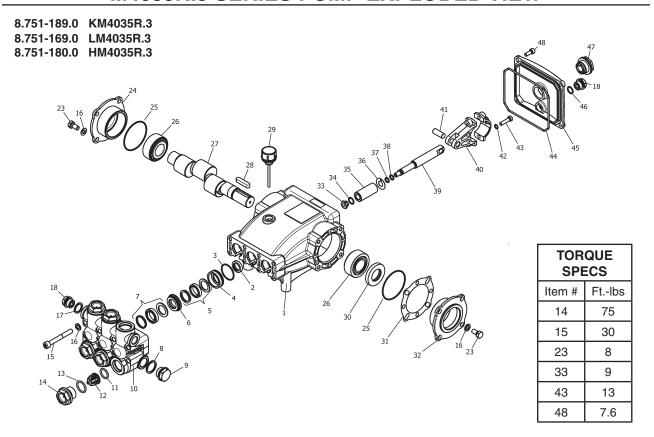
# M4035R.3 PUMP ASSEMBLY EXPLODED VIEW



| ITEM | PART NO.    | DESCRIPTION                                | QTY     |
|------|-------------|--|---------|
| 1    | 8.751-189.0 | Pump, KM4035R.3,<br>4.8@3500 1500RP        | 1       |
|      | 8.751-169.0 | Pump, LM4035R.3,<br>4.8@3500 1500RPM       | 1       |
|      | 8.751-180.0 | Pump, HM4035R.3,<br>4.8@3500 1500 RPM      | 1       |
| 2    | 8.706-854.0 | Tee, 1/4" Branch Male                      | 1       |
| 3    | 9.804-025.0 | Pump Protector, 1/4" 145 Deg               | <br>g 1 |
| 4    | 9.802-146.0 | Swivel, 1/2" MP x 3/4"<br>GHF W/Strainer   | 1       |
| 5    | 8.706-958.0 | Hose Barb, 1/4" Barb x 1/4"<br>MPT, 90 Dgr | 1       |
| 6    | 8.706-207.0 | Elbow, 3/8",<br>Street 90 Deg, Steel       | 1       |
| 7    | 9.802-190.0 | Valve, EZ Start,<br>3/8 MPT X 1/8 FPT      | 1       |

| ITEM | PART NO.    | DESCRIPTION                                | QTY        |
|------|-------------|--|------------|
| 8    | 9.175-018.0 | UU1 3500PSI,<br>Universal Unloader (SPARE) | 1          |
| 9    | 8.706-955.0 | Hose Barb<br>1/4" Barb X 1/8" MPT, 90 Deg  | <b>j</b> 1 |
| 10   | 9.802-254.0 | Hose, 1/4" Push-On, /FT                    | 1          |
| 11   | 6.390-126.0 | Clamp, Hose, .46-, .54 ST                  | 2          |
| 12   | 9.802-171.0 | Coupler, 3/8" Plug, Male                   | 1          |
|      |             |  |            |

#### M4035R.3 SERIES PUMP EXPLODED VIEW



#### M4035R.3 SERIES PUMP EXPLODED VIEW PARTS LIST

| ITEM | PART NO.         | DESCRIPTION          | QTY |
|------|------------------|----------------------|-----|
| 1    | 8.751-216.0      | Crankcase            | 1   |
| 2*   | See Kits Belov   | w Plunger Oil seal   | 3   |
| 3*   | See Kits Below ( | O-Ring Ø1.78 x 31.47 | 3   |
| 4*   | See Kits Below   | Pressure Ring        | 3   |
| 5*   | See Kits Below   | U-Seal               | 3   |
| 6*   | See Kits Below   | Intermediate Ring    | 3   |
| 7*   | See Kits Below   | U-Seal               | 3   |
| 8    | 9.803-199.0      | Washer, Copper       | 1   |
| 9    | 9.802-926.0      | Plug, Brass 1/2      | 1   |
| 10   | 8.751-218.0      | Manifold Head        | 1   |
| 11*  | See Kits Below   | O-Ring Ø2.62 x 17.13 | 6   |
| 12*  | See Kits Below   | Valve Assembly       | 6   |
| 13*  | See Kits Below   | O-Ring Ø2.62 x 20.29 | 6   |
| 14   | 9.802-928.0      | Valve Plug           | 6   |
| 15   | 9.802-938.0      | Manifold Stud Bolt   | 8   |
| 16   | 9.802-884.0      | Washer               | 16  |
| 17   | 9.803-198.0      | Copper Washer 3/8    | 1   |
| 18   | 9.802-925.0      | Brass Plug 3/8       | 2   |

| ITE 8.0 | DADT NO        | DECODIDATION           | OTV |
|---------|----------------|------------------------|-----|
|         | PART NO.       | DESCRIPTION            | QTY |
| _23     | 9.802-944.0    | Hexagonal Screw        | 8   |
| 24      | 8.717-210.0    | Closed Bearing         |     |
|         |                | Housing                | 1   |
| 25      | 9.803-192.0    | O-Ring Ø1.78 x 60.05   | 2   |
| 26      | 8.933-011.0    | Tapered Roller Bearing | 2   |
| 27      | 9.803-146.0    | Crankshaft (3540)      | 1   |
|         | 9.803-147.0    | Crankshaft (4035)      | 1   |
| 28      | 9.803-167.0    | Crankshaft Key         | 1   |
| 29      | 9.802-921.0    | Oil Dip Stick          | 1   |
| 30      | 9.803-140.0    | Crankshaft Seal        | 1   |
| 31      | 9.803-178.0    | Shim                   | 2   |
| 32      | 8.717-209.0    | Bearing Housing        | 1   |
| 33*     | See Kits Below | Plunger Nut, M8        | 3   |
| 34*     | See Kits Below | Copper Spacer          | 3   |
| 35*     | See Kits Below | Plunger (4035)         | 3   |
|         |                | Plunger (3540)         | 3   |
| 36*     | See Kits Below | Copper Spacer          | 3   |
| 37*     | See Kits Below | O-Ring Ring            | 3   |
| 38*     | See Kits Below | Teflon Ring            | 3   |
| 39      | 9.803-144.0    | Plunger Rod            | 3   |

# M4035R.3 SERIES PUMP EXPLODED VIEW PARTS LIST

| ITEM PART NO. |             | DESCRIPTION            | QTY |
|---------------|-------------|------------------------|-----|
| 40            | 9.803-158.0 | Connecting Rod         | 3   |
| 41            | 8.751-228.0 | Connecting Rod Pin     | 3   |
| 42            | 9.803-218.0 | Spring Washer          | 6   |
| 43            | 9.803-238.0 | Connecting Rod Screw   | 6   |
| 44            | 70-060009   | O-Ring, Ø2.62 x 126.67 | 1   |
| 45            | 8.751-229.0 | Crankcase Cover        | 1   |
| 46            | 9.803-197.0 | O-Ring, Ø1.78 x 14     | 1   |
| 47            | 9.803-202.0 | Sight Glass 3/4        | 1   |
| 48            | 9.802-939.0 | Cover Screw            | 5   |

<sup>\*</sup> Available in kit (See below)

| REPAIR KIT NO.                            | 8.725-360.0                  | 8.725-358.0                  | 8.725-361.0                              | 8.725-359.0                              | 8.725-237.0               | 8.933-023.0               | 9.802-603.0    | 9.802-609.0          |
|---|------------------------------|------------------------------|--|--|---------------------------|---------------------------|----------------|----------------------|
| KIT<br>DESCRIPTION                        | Plunger Seal<br>4035<br>18mm | Plunger Seal<br>3540<br>15mm | Complete Seal<br>Packing<br>4035<br>18mm | Complete Seal<br>Packing<br>3540<br>15mm | Plunger<br>4030<br>18mm   | Plunger<br>3540<br>15mm   | Complete Valve | Plunger Oil<br>Seals |
| ITEM NUMBERS                              | 3, 5, 7                      | 3, 5, 7                      | 3, 4, 5, 6, 7                            | 3, 4, 5, 6, 7                            | 33, 34, 35, 36,<br>37, 38 | 33, 34, 35, 36,<br>37, 38 | 11, 12, 13     | 2                    |
| NO. OF CYLIN-<br>DERS KIT WILL<br>SERVICE | 3                            | 3                            | 1  | 1  |                           | 1                         | 6              | 3                    |

14

# **UU1 UNLOADER EXPLODED VIEW**

9.175-018.0
UU1 3500PSI, UNIVERSAL UNLOADER (SPARE)

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# **UU1 UNLOADER EXPLODED VIEW PARTS LIST**

| ITEM | PART #      | DESCRIPTION              | KIT    | QTY |
|------|-------------|--------------------------|--------|-----|
| 1    | 8.751-394.0 | Piston Housing D         |        | 1   |
| 2    |             | Piston                   | C, D   | 1   |
| 3    |             | Piston O-Ring Back Up    | A, D   | 1   |
| 4    | 8.749-796.0 | Main Block               |        | 1   |
| 5    | 9.152-372.0 | Piston Ring              | D      | 1   |
| 6    |             | Ball Seat                | C, D   | 1   |
| 7    |             | O-Ring 10.5 ID x 1.5 CS  | A,C,D  | 1   |
| 8    |             | Plunger                  | В      | 1   |
| 9    | 9.152-016.0 | Plunger Housing          |        | 1   |
| 10   |             | Bypass Spring            | C, D   | 1   |
| 11   | 9.149-001.0 | Low Pressure Port        |        | 1   |
| 12   | 9.152-017.0 | Sliding Connector, 30mm  |        | 1   |
|      | 8.762-005.0 | Sliding Connector, 40mm  | , Long | 1   |
| 13   | 9.149-002.0 | Sliding Connector H 1/2" |        | 1   |
|      | 9.149-005.0 | Sliding Connector H 3/8" |        | 1   |
| 14   | 9.196-011.0 | Plug 5/8 -18 UNF         | D      | 1   |
| _15  |             | O-Ring 12 ID x 2 CS      | A, D   | 2   |
| 16   |             | O-Ring 6 ID X 2 CS       | A, D   | 1   |

| ITEM  | PART #                     | DESCRIPTION                          | KIT   | QTY    |
|-------|----------------------------|--------------------------------------|-------|--------|
| 17    | 9.149-006.0                | Sliding Connector Guide              |       | 1      |
| 18    |                            | O-Ring Backup<br>6 x 1.45 x 1.68     | A, D  | 1      |
| 19    |                            | Ball Housing Assy                    | C, D  | 1      |
| 20    |                            | O-Ring 6.75 x 1.78 BN80              | A, D  | 1      |
| 21    |                            | Spring Seat                          | C, D  | 2      |
| 22    |                            | Plunger Spring                       | В     | 1      |
| 23    | 8.917-699.0<br>8.917-700.0 |                                      | Short | 1<br>1 |
| 24    | 8.917-698.0                | Banjo Bolt 3/8" Short                |       | 1      |
| 25    | 9.802-893.0                | Seal Washer 3/8"                     |       | 2      |
| 26    |                            | Seal Washer 1/2"<br>Seal Washer 3/8" |       | 2<br>2 |
| 27    |                            | O-Ring 15 ID x 2CS                   | A,B,D | 3      |
| 28    | 8.706-865.0                | Plug, 1/4" Countersunk               |       | 1      |
| Kit A | 9.104-038.0                | O-Ring Repair Kit                    |       |        |

Kit B 9.104-039.0 Outlet Kit

Kit C 9.104-040.0 Stem Basic Kit

Kit D 8.920-045.0 UU1 Complete Stem Kit